## SEQUENCE LISTING

	SEQ ID NO. 1 (WGA1), SEQ ID NO. 2 (WGA2), or SEQ ID NO. 3 (WGA3).
	WGA1 (A) cDNA sequence:
5	
	atgaag atgatgagca ccagggccet cgcgctcggc 61 gcggctgccg tcctcgcctt cgccgcggcg accgctcagg cccagaggtg
	cggcgagcaa 121 ggcagcaaca tggagtgccc caacaacctc tgctgcagcc agtacggcta
10	ctgcgggatg
- '	181 ggcggcgact actgcggcaa gggctgccag aacggcgcct gctggaccag caagcgctgc
	241 ggcagccagg ccggcggcgc gacgtgcacc aacaaccagt gctgcagcca
15	gtacgggtac
15	301 tgcggcttcg gcgccgagta ctgcggcgcc ggctgccagg gcggcccctg
	361 atcaagtgcg gcagccaggc cggcggcaag ctgtgcccga acaacctctg ctgcagccag
20	421 tggggattet geggeetegg tteegagtte tgeggeggeg getgeeagag
20	cggtgcttgc
	481 agcaccgaca aaccgtgcgg caaggacgcc ggcggcagag tttgcactaa caactactgt
	541 tgtagcaagt ggggateetg tggeategge eegggetatt geggtgeagg
	ctgccagagt
25	601 ggcggctgcg atggtgtctt cgccgaggcc atcaccgcca actccactct
	tctccaagaa 661 tga
30	WGA1 (A) protein sequence:
	MKMMSTRALALGAAAVLAFAAATAQAQRCGEQGSNMECPNNLCC
35	SQYGYCGMGGDYCGKGCQNGACWTSKRCGSQAGGATCTNNQCCSQYGYCGFGAEYCGA
	GCQGGPCRADIKCGSQAGGKLCPNNLCCSQWGFCGLGSEFCGGGCQSGACSTDKPCGK
	DAGGRVCTNNYCCSKWGSCGIGPGYCGAGCQSGGCDGVFAEAITANSTLLQE
40	
`	WGA2 (D) cDNA sequence:
	atgaga aagatgatga geaccatgge cettaegete ggegeggetg tetteetege
	cttcgccgcg gcgaccgcgc aggcccagag gtgcggcgag cagggcagca
45	acatggagtg
	ccccaacaac etetgetgea gecagtaegg gtaetgegge atgggeggeg
	actactgcgg caagggctgc cagaacggcg cctgctggac cagcaagcgc tgcggcagcc
	aggccggcgg
50	ggcgacgtgt cccaacaacc actgctgcag ccagtacggg cactgcggct

	tcggagccga
	301 gtactgegge geeggetgee agggeggeee etgeegegee gacateaagt
	gcggcagcca
_	361 gtccggcggc aagctatgcc cgaacaacct ctgctgcagc cagtggggat
5	tctgcggcct
	421 aggtteegag ttetgeggeg gtggetgeea gageggtget tgeageaceg
	acaagccgtg
	481 cggcaaggac geeggeggea gggtttgeac taacaactac tgttgtagca
Λ	agtggggatc
0	541 ctgtggcatc ggcccgggct attgcggtgc aggctgccag agcggcggct
	gtgacgctgt
	601 ctttgccggc gccatcaccg ccaactccac tcttctcgca gaatga
•	WGA2 (D) protein sequence:
5	
,	MRKMMSTMALTLGAAVFLAFAAATAQAQRCGEQGSNMECPNNLC
: • '	CSQYGYCGMGGDYCGKGCQNGACWTSKRCGSQAGGATCPNNHCCSQYGHCGFGAEYCG
٠,	
20	AGCQGGPCRADIKCGSQSGKLCPNNLCCSQWGFCGLGSEFCGGGCQSGACSTDKPCG
100	KDAGGRVCTNNYCCSKWGSCGIGPGYCGAGCQSGGCDAVFAGAITANSTLLAE
	WGA3 (P) cDNA coguence:
	WGA3 (B) cDNA sequence:
25	
	caaaggtgcg gcgagcaggg cagcggcatg gagtgcccca acaacctgtg ctgcagccag
	61 tacggetact gegggatggg eggegattae tgeggeaagg getgeeagaa
	eggegegtge 121 tggaccagea ageggtgtgg cagecaggee ggeggeaaga egtgeeecaa
30	caaccactgc
, , , , , , , , , , , , , , , , , , ,	181 tgcagccagt acgggcactg cggcttcggc gcggagtact gcggcgccgg
	ctgccagggc
	241 ggcccctgcc gcgccgacat caagtgcggc agccaggccg gcggcaagct
. •	gtgccccaac
35.	301 aacctctgct gcagccagtg ggggtactgc ggcctcggtt ccgagttctg
	cggcgagggc
	361 tgccagaacg gégettgcag caccgacaag cegtgtggca aggaegeegg
:	cggcagggtt
	421 tgcactaaca actactgctg tagcaagtgg ggatcctgtg gcatcggtcc
4Q	cggctactgc
ī .	481 ggtgcaggct gccagagcgg cggctgcgat ggtgtcttcg ccgaggccat
	cgccaccaac
	541 tecactette tegeagaatga
· ;	
45	
Ţ <u></u>	WGA3 (B) protein sequence:
	TOTA (D) protein sequence.
,	OD COROCOMECIDANA CACOVOYCOMCODVCCVCCONCACUTEV
	QRCGEQGSGMECPNNLCCSQYGYCGMGGDYCGKGCQNGACWTSK

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50

RCGSQAGGKTCPNNHCCSQYGHCGFGAEYCGAGCQGGPCRADIKCGSQAGGKLCPNNL

 $\verb|CCSQWGYCGLGSEFCGEGCQNGACSTDKPCGKDAGGRVCTNNYCCSKWGSCGIGPGYC|\\$ 

## ${\tt GAGCQSGGCDGVFAEAIATNSTLLAE}$